VII. *Account of a* Nebula *in* Coma Berenices. *By* Edward Pigott, *Esq. In a Letter to* Nevil Maskelyne, *D. D. F. R. S. and Astronomer Royal.*

Read January 11, 1781.

REV. SIR,

Frampton-house, Glamorganshire, September 3, 1779.

AS my father generally addresses to you such papers as he communicates to the Royal Society, I beg the favour of you to acquaint that learned body, that, on the 23d of March, I discovered a nebula in the constellation of Coma Berenices, hitherto, I presume, unnoticed; at least not mentioned in M. DE LA LANDE's Astronomy, nor in M. MESSIER's ample Catalogue of nebulous Stars. I have observed it in an achromatic transit instrument, three feet long, and deduced its mean R. A. by comparing it to the following stars, having made the necessary corrections for aberration and nutation, the results are:

By δ Gemini	191°	28′	35″
By γ Canis Majoris	191	28	41
By ε Virginis	191	28	45
By ν Virginis	191	28	36
By δ Leonis	191	28	34
Mean R. A. of the nebula for April 20, 1779,	191	28	38

Its

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Its light being exceedingly weak, I could not ſee it in the two-feet teleſcope of our quadrant, ſo was obliged to determine its declination likewiſe by the tranſit inſtrument. This determination, however, I believe, may be depended upon to two minutes: hence its declination north is 22° 53″¼. The diameter of this nebula I judged to be about two minutes of a degree.

I am, &c.

E. PIGOTT.